

PTO/SB/05 (03-04

Approved for use through 10/31/2002. OMB 0651-003

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UTILITY	Attorney (Docket No.	612.42904X00	4X00						
PATENT APPLICATION	First Inve	ntor	LE RAVALEC-DI	LEC-DUPIN, MICKAELE						
TRANSMITTAL	Title	l		HETEROGENEOUS						
(Only for new nonprovisional applications under 37 CFR 1.53(b))		l	Y FIELD REPRESI Y DYNAMIC DATA	ENTING AN UNDERGROUND						
	fail Label No.									
APPLICATION ELEMENTS		nmissioner for Patents								
SEE MDED chanter 600 concerning utility patent application of	ADDRESS TO: Box Patent Application Washington, DC 20231									
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
2. Applicant claims small entity status.	 Nucleotide and/or Amino Acid Sequence Submission fif applicable, all necessary) 									
See 37 CFR 1.27.	·									
3. Specification [Total Pages: 22]			a.							
(preferred arrangement set forth below)		i	i ☐ CD-ROM or CD-R (2 copies); or							
-Descriptive title of the invention -Cross Reference to Related Applications	ï.	ii □ paper								
 -Statement Regarding Fed sponsored R & D -Reference to sequence listing, a table, 	-Statement Regarding Fed sponsored R & D									
or a computer program listing appendix		c. L_l State	ements verifying identi	ty of above copies						
-Background of the Invention -Brief Summary of the Invention		ACCOMPANYING APPLICATION PARTS								
 Brief Description of the Drawings (if filed) Detailed Description 										
-Claim(s) -Abstract of the Disclosure		1 —	• , ,	sheet & documents(s))						
₩.			FR 3.73(b) Statement In there is an assignee	Power of Attorney						
4. A Drawing(s) (35 U.S.C. 113) [Total Pages: 1]		1	_	Franslation Document (if applicable)						
5. Oath or Declaration [Total Pages:]	12. 🛛 Infort	12. Information Disclosure Copies of IDS Citations								
a Newly executed (original or copy) b Copy from a prior application (37 CFR 1.63 (d))		ement (IDS)/PTO-1449								
(for continuation/divisional with Box 18 completed)		13. Preliminary Amendment w/substitute specification 14. Return Receipt Postcard (MPEP 503)								
i. DELETION OF INVENTOR(S)		1	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
Signed statement attached deleting inventor(s)	15. Certified Copy of Priority Document(s)									
Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)	(if foreign priority is claimed)									
		16. LJ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35								
6. LJ Application Data Sheet. See 37 CFR 1.76	or its equivalent.									
W. CONTRIBUING APPLICATION ()		17. 2.3 04.18		Card Payment Form						
18. If a CONTINUING APPLICATION, check appropriate box or in an Application Data Sheet under 37 CFR 1.76:	t, and supp	oly the requisite in	itormation below al	ia in a preliminary amenament,						
	uation-in-pai	t (CIP) of prior a	application No.:							
Prior application information: Examiner: Group Art U	Init:									
For CONTINUATION OR DIVISIONAL APPS only: The entire discidends of the discidence of				• •						
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
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Country T	elephone	(703) 312-6600	Fax	(703) 312-6666						
Name Donald E. Stout	Registration No. (A	ttorney/Agent)	26,422							
Signature August Man			Date	July 10, 2003						

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CCC TO ANOMITTAL							Complete if Known								
FEE TRANSMITTAL							7	Applica	tion Nu	ımber					
for FY 2003						-	Filing Date			July 10, 200	July 10, 2003				
						- 1	First Named Inventor				LE RAVALEC-DUPIN, MICKAELE				
						Į,	Examiner Name				-0-001 111, 1111	OIVLEL			
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Applicant claims small entity status. See 37 CFR 1.27							Art Unit					 			
OTAL AMOUNT OF PAYMENT (\$) 768.00						/	Attorney Docket No. 612.42904X00								
METHOD OF PAYMENT (check all that apply)						<u> </u>			FE	E CALCULATIO	N (continued)				
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	002		2002		Design filing fee	9		1254	1,450	2254	725		nsion for reply within third month nsion for reply within fourth month		
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	004		2004		Reissue filing fo	e		1401	320	2401	160	Notice of Appeal	ension for reply within fifth month		
	05	160	2005	80	Provisional filin			1402	320	2402	160	* *	g a brief in support of an appeal		
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SUBTOTAL (1) 750.00						1451	1,510	1451		•	on to institute a public use proceeding				
2. EX	(TRA	CLAI	VI FE	ES F	OR UTILITY		REISSUE	1452	110	2452	55		ion to revive – unavoidable		
			Evi	tra CI	Fee fro aims below	m	Fee Paid	1453	1,300	2453	650	Petition to revive - u	inintentional		
Total (Claims	21	-20**		x 18	=		1501	1,300	2501	650	Utility issue fee (or r	eissue)		
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Large	Fee	Entity Fee	Sn Fee		Entity Fee Descrip	ation		1806	180	1806	180	Submission of Inform	nation Disclosure	Stmt	
Fee Code 1202		Code 2202					nn	8021	40	8021	40	Recording each pate property (times num		er	
	84	2201	42				1809	750	2809	375		a submission after final rejection			
1203	280	2203	140	40 Multiple dependent claim, if not paid				1810	750	2810	375	For each additional	each additional invention to be nined (37 CFR § 1.129(b))		
1204 84 2204 42 ** Reissue independent claims				1801	750	2801	375	Request for Continu	uest for Continued Examination (RCE)						
over original patent				1802	900	1802	900		uest for expedited examination						
1205 18 2205 9 "Reissue claims in excess of 20 and over original patent						of a design application Other fee (specify)									
SUBTOTAL (2) \$ 18.00				1											
**or number previously paid, if greater; For Reissues, see above.					*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00						(3) (\$) 0.00				
SUBMITTED BY											Complete (if a	pplicable)			
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Name	(Print/	Турө)		Dc	nald E. Stout		/,1	(Attorne	ey/Agent			26,422	Telephone	703-312-6600	

Date July 10, 2003 Signature WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.